

***GENERATING, VIEWING, INTERPRETING, AND UTILIZING
A QUANTITATIVE DATABASE OF METABOLITES***

ABSTRACT

5 This disclosure provides methods for the creation of a quantitative database of metabolites,
particularly lipid metabolites, using chromatographic technology; methods for assembling that
information into a visual format for interpretation, and methods of this information to identify and
understand metabolome-wide effects, for instance those effects influenced by pharmaceuticals, genes,
toxins, diet or the environment. Also provided are metabolite databases, such as lipid metabolite
10 databases, that are stored on a computer readable medium, which include quantitative measurements of a
plurality of metabolites.